

Executive Summary Report

SMOG CHECK Statewide

October 2006

1. Testing Volume

	Total	Failed	Percent (%) Fail
Initial Test	744,876	99,274	13.33%
Total	876,463	129,015	14.72%

2. Certification Volume

	Cert. Issued	Percent (%) Cert. Issued	No Cert.	Percent (%) No Cert.
Initial Test	627,797	84.28%	117,079	15.72%
Total	722,726	82.46%	153,737	17.54%

2a. Certification Volume (Test Only)

	Cert. Issued	Percent (%) Cert. Issued	No Cert.	Percent (%) No Cert.
Initial Test	372,440	84.70%	67,258	15.30%
Total	431,142	83.65%	84,256	16.35%

3. Initial Test Failures by Failure Type

	Failed	Percent (%) Fail
Gross Polluters	19,126	2.57%
All Emissions	59,360	7.97%
All Visual	11,292	1.52%
All Functional	32,300	4.34%
OBDII	26,673	3.58%
Overall	99,274	13.33%

4. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	G.P.	Percent (%) G.P.
Enhanced	586,181	79,984	13.64%	15,103	2.58%
Partially Enhanced	35,586	5,381	15.12%	1,024	2.88%
Basic	67,076	8,118	12.10%	1,898	2.83%
Change of Ownership	6,135	870	14.18%	272	4.43%
No Program	4	0	0.00%	0	0.00%
Unknown Program	49,894	4,921	9.86%	829	1.66%
Total Program Area	744,876	99,274	13.33%	19,126	2.57%

5. Initial Test Failures by Station Type

Station Types	All Tests Performed	Failed	Percent (%) Failed	G.P.	Percent (%) G.P.
Test Only	439,698	65,073	14.80%	13,379	3.04%
Regular	258,368	27,650	10.70%	4,471	1.73%
Basic Area Dealer	5,008	285	5.69%	28	0.56%
Gold Shield in Enhanced Area	27,372	3,928	14.35%	699	2.55%
Gold Shield in Basic Area	7,079	1,139	16.09%	302	4.27%
Gold Shield in COO Area	3,990	531	13.31%	159	3.98%
Business Fleet	17	2	11.76%	0	0.00%
Permanent Fleet Registered	131	10	7.63%	1	0.76%
Referee	889	437	49.16%	61	6.86%
Government Fleet	2,323	219	9.43%	26	1.12%
Unknown Privilege	1	0	0.00%	0	0.00%
Total	744,876	99,274	13.33%	19,126	2.57%

5.a. Initial Tests at Test-Only Stations

	Initial Tests	Cert. Issued
Volunteers	195,117	170,020
Directed Vehicles	244,581	202,420
Total	439,698	372,440

5.b. Initial Tests at Gold Shield Stations

	Initial Tests	Cert. Issued
Volunteers	38,054	31,778
Directed Vehicles	387	68
Total	38,441	31,846

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6. Initial Tests by Vehicle Model Year

Model Year	Initial Test	Failed Overall	Percent (%) Fail Overall	Percent (%) Fail Emiss.	Percent (%) Fail G.P.	Percent (%) Fail Funct.	Percent (%) Fail Visual	Percent (%) Fail OBDII
1966	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1970	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1972	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1973	2	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1974	7	1	14.29%	14.29%	0.00%	14.29%	0.00%	0.00%
1975	23	6	26.09%	26.09%	4.35%	4.35%	0.00%	0.00%
1976	1,488	391	26.28%	20.03%	9.41%	13.98%	9.07%	0.00%
1977	2,374	602	25.36%	18.70%	8.21%	13.44%	7.29%	0.00%
1978	2,637	733	27.80%	21.81%	10.88%	14.07%	8.91%	0.00%
1979	3,302	926	28.04%	22.35%	11.18%	14.72%	8.57%	0.00%
1980	1,947	531	27.27%	21.26%	10.89%	15.20%	7.91%	0.00%
1981	2,302	686	29.80%	24.63%	11.64%	15.29%	7.78%	0.00%
1982	2,952	880	29.81%	24.59%	11.38%	15.51%	7.96%	0.00%
1983	3,567	1,076	30.17%	24.42%	10.82%	15.87%	7.85%	0.00%
1984	6,944	2,035	29.31%	24.68%	12.33%	15.05%	6.49%	0.00%
1985	9,478	2,769	29.22%	24.08%	12.11%	15.40%	6.17%	0.00%
1986	13,760	3,599	26.16%	20.97%	9.69%	13.56%	5.17%	0.00%
1987	16,705	4,542	27.19%	22.61%	9.27%	12.92%	4.09%	0.00%
1988	19,292	4,740	24.57%	19.78%	7.69%	12.27%	3.78%	0.00%
1989	25,923	5,467	21.09%	16.56%	6.17%	10.40%	2.90%	0.00%
1990	27,468	5,440	19.80%	15.57%	5.53%	9.52%	2.52%	0.00%
1991	33,460	5,874	17.56%	13.71%	4.48%	7.98%	1.73%	0.00%
1992	30,638	5,047	16.47%	12.90%	4.06%	7.01%	1.78%	0.00%
1993	36,355	6,537	17.98%	14.63%	3.33%	6.87%	1.62%	0.00%
1994	43,092	5,831	13.53%	10.40%	2.27%	5.21%	1.54%	0.00%
1995	42,618	5,413	12.70%	9.48%	2.16%	5.12%	1.29%	0.00%
1996	53,306	8,347	15.66%	5.89%	0.89%	1.41%	0.94%	10.64%
1997	43,155	6,143	14.23%	4.86%	0.74%	1.37%	0.88%	9.96%
1998	78,686	7,094	9.02%	2.45%	0.43%	0.73%	0.53%	6.54%
1999	42,337	3,545	8.37%	1.79%	0.32%	0.68%	0.50%	6.44%
2000	127,103	7,725	6.08%	0.87%	0.21%	0.55%	0.33%	4.89%
2001	21,837	1,236	5.66%	0.60%	0.13%	0.75%	0.27%	4.54%
2002	20,846	923	4.43%	0.39%	0.09%	0.54%	0.19%	3.44%
2003	9,994	379	3.79%	0.29%	0.07%	0.40%	0.18%	3.06%
2004	7,204	272	3.78%	0.14%	0.01%	0.33%	0.19%	2.89%
2005	6,450	207	3.21%	0.17%	0.03%	0.20%	0.22%	2.59%
2006	6,991	246	3.52%	0.14%	0.06%	0.41%	0.17%	2.88%
2007	630	31	4.92%	0.00%	0.00%	0.48%	0.00%	4.60%
Total Model Year	744,876	99,274	13.33%	7.97%	2.57%	4.34%	1.52%	3.58%

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7. Referee Activity

	Certificates Issued
Certificate of Compliance	773
Certificate of Non Compliance	0
Parts Cost	83
Hardship Extensions	113
Exempt Vehicle	21
Exempted by Directive	151
Parts Exemption	3
Unknown Outcome	0
	1,144

8. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,307
Stations Locked-Out at Least Once	70
Stations Conducted at Least One Test	7,803

9. Active Technicians

		Technician Count	Daily Average
EA	Both Endorsement	10,701	5,977
EA	Gas Endorsement	18	0
EB	Both Endorsement	57	0
EB	Gas Endorsement	566	0
GU	Both Endorsement	20	0

10. Inspections Costs

	ASM Initial Test Count	Avg ASM Inspection Cost	TSI Initial Test Count	Avg TSI Inspection Cost	Total Initial Tests	Overall Average Inspection Cost
Test Only	393,098	48.54	37,129	48.74	430,227	48.55
Test and Repair	178,913	46.68	75,037	44.37	253,950	46.00
Test and Repair Dealer	13	35.85	4,995	47.38	5,008	47.35
Referee	629	30.00	158	30.00	787	30.00
Gold Shield in Enhanced Area	20,478	46.50	6,824	44.09	27,302	45.90
Gold Shield in Basic Area	14	71.50	7,213	36.92	7,227	36.99
Gold Shield in COO Area	346	64.77	3,953	48.25	4,299	49.58

11. Repair Costs

	All Cost Ranges	Repair Count	Average Cost	(All Cost Ranges) Repair Count	(All Cost Ranges) Average Cost
Regular Repairs	\$0-50	7,118	22.95	24,099	205.84
	\$51-150	6,435	99.65		
	\$151-250	4,046	200.00		
	\$251-450	3,958	335.14		
	Over \$450	2,542	794.76		
Cap Repairs	\$0-50	195	25.64	3,060	327.20
	\$51-150	365	105.69		
	\$151-250	565	203.73		
	\$251-450	1,117	343.99		
	Over \$450	818	560.28		
Total Repairs	\$0-50	6,516	23.24	25,009	238.38
	\$51-150	5,691	99.83		
	\$151-250	4,293	200.34		
	\$251-450	4,938	338.48		
	Over \$450	3,571	759.10		

12. CAP Repair Costs

	Total Vehicles	Average Repair Cost
Cap Repairs	3,060	327.20

13. Drill-Through

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Tests	All Emission Tests	All Functional Tests	All Visual Tests
Acceleration Simulation Mode (ASM)	Basic	Gold Shield in Enhanced Area	11	2	1	0	0	2	1	0

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	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Tests	All Emission Tests	All Functional Tests	All Visual Tests
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	82	13	2	0	4	7	4	1
Acceleration Simulation Mode (ASM)	Basic	Test Only	85	16	4	0	5	10	2	2
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	15	4	2	0	1	4	1	0
Acceleration Simulation Mode (ASM)	Enhanced	Business-Fleet	11	2	0	0	1	1	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Basic Area	93	9	0	2	7	2	2	2
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	83	13	2	0	2	8	5	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	13,793	2,323	338	149	930	1,132	610	291
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	95	7	2	37	47	31	3
Acceleration Simulation Mode (ASM)	Enhanced	Permanent Fleet Registered	60	5	0	0	3	1	1	0
Acceleration Simulation Mode (ASM)	Enhanced	Referee	303	303	40	134	67	144	92	163
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	123,816	15,597	2,114	796	6,020	7,651	4,445	1,521
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	321,724	58,473	11,977	3,359	12,762	39,136	19,749	6,591
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	8	2	0	0	1	2	0	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	2,295	556	114	27	128	372	184	68
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	7	0	0	2	3	6	0
Acceleration Simulation Mode (ASM)	Partial	Referee	8	28	3	21	4	11	6	23
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	15,528	2,913	512	155	694	1,809	962	315
Acceleration Simulation Mode (ASM)	Partial	Test and Repair Dealer	16	5	0	0	1	3	2	0
Acceleration Simulation Mode (ASM)	Partial	Test Only	8,846	1,666	343	121	391	1,095	522	219
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,415	240	45	17	82	134	67	33

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Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	79	11	1	21	51	16	1
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	70	29	6	8	8	12	18	16
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	17,254	1,813	251	101	784	838	441	182
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	13,010	1,847	357	142	641	1,077	531	242
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	4,672	1,015	285	59	206	519	407	129
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	137	20	5	1	2	12	9	3
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	2,728	485	115	36	119	215	206	74
Two Speed Idle (TSI)	Basic	Government Fleet	0	15	4	0	4	7	4	0
Two Speed Idle (TSI)	Basic	Referee	27	39	6	15	4	18	23	20
Two Speed Idle (TSI)	Basic	Test and Repair	39,105	5,331	1,204	293	1,333	2,405	2,233	657
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	3,340	209	24	11	72	68	74	26
Two Speed Idle (TSI)	Basic	Test Only	6,311	972	248	55	255	484	305	123
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	122	19	4	2	5	8	7	2
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	1,752	378	122	35	62	221	134	62
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	125	27	9	3	8	11	12	7
Two Speed Idle (TSI)	Change of Ownership	Permanent Fleet Registered	0	3	1	0	0	2	2	1
Two Speed Idle (TSI)	Change of Ownership	Referee	3	5	1	3	0	4	3	4
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	2,190	292	78	26	88	138	102	36
Two Speed Idle (TSI)	Change of Ownership	Test and Repair Dealer	40	2	1	0	1	1	0	0
Two Speed Idle (TSI)	Change of Ownership	Test Only	787	139	54	12	23	84	59	25
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	270	31	4	0	18	9	6	0
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	312	23	3	0	11	7	4	1
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	1,760	212	52	17	78	87	72	33
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	16	4	0	4	10	2	0
Two Speed Idle (TSI)	Enhanced	Referee	39	16	1	9	4	1	4	10
Two Speed Idle (TSI)	Enhanced	Test and Repair	13,607	1,081	206	62	497	373	252	111

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	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Tests	All Emission Tests	All Functional Tests	All Visual Tests
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	369	25	1	0	12	7	4	0
Two Speed Idle (TSI)	Enhanced	Test Only	18,865	1,749	354	71	784	695	366	146
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	165	28	9	1	11	11	9	4
Two Speed Idle (TSI)	Partial	Test and Repair	1,156	118	30	6	37	54	36	18
Two Speed Idle (TSI)	Partial	Test and Repair Dealer	29	3	0	0	2	1	0	0
Two Speed Idle (TSI)	Partial	Test Only	488	47	13	2	11	25	13	7
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	501	60	9	3	25	24	23	5
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	1,032	93	27	9	29	44	29	18
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	490	55	16	6	19	25	17	7
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	7	0	0	2	6	0	0
Two Speed Idle (TSI)	Unknown Program	Referee	22	7	4	1	0	6	7	6
Two Speed Idle (TSI)	Unknown Program	Test and Repair	5,655	488	72	32	228	152	138	59
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	645	36	2	1	25	7	4	1
Two Speed Idle (TSI)	Unknown Program	Test Only	2,311	163	29	9	88	58	26	13
UnKnown TestType	Basic	Referee	1	1	0	0	0	1	1	1
UnKnown TestType	Enhanced	Referee	4	4	0	0	0	4	3	3
UnKnown TestType	Unknown Program	Referee	4	4	0	0	0	4	3	4

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